

***LineUp With Math™* Alignment to  
Mathematics Grade-Level Standards  
Adopted April 2002**

**Calculations and Estimations**

***Common Curriculum Goal (CCG): Numbers:***

Understand numbers, ways of representing numbers, relationships among numbers, and number systems.

**Grade-Level Standards**

M.07.1.A.1(3) Use rates, ratios, and percents to solve problems.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

***CCG: Computation and Estimation:***

Compute fluently and make reasonable estimates.

**Grade-Level Standards**

M.07.1.B.1(4) Solve problems involving percentages (including percent increase and decrease, interest rates, tax, discount, tips, and part-whole relationships).

***LineUp With Math™* Activities**

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

**Mathematical Problem Solving**

***CCG: Conceptual Understanding:***

Select, apply, and translate among mathematical representations to solve problems.

**Grade-Level Standards**

M.07.6.A.1(1) Interpret the concepts of a problem-solving task and translate them into mathematics.

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

***CCG: Processes and Strategies:***

Apply and adapt a variety of appropriate strategies to solve problems.

**Grade-Level Standards**

M.07.6.B.1(1) Choose strategies that can work and then carry out the strategies chosen.

***LineUp With Math™* Activities**

--Choose and apply a variety of strategies to optimize the solution of air traffic control conflicts.

***CCG: Communication:***

Communicate mathematical thinking coherently and clearly. Use the language of mathematics to express mathematical ideas precisely.

**Grade-Level Standards**

M.07.6.D.1(1) Use pictures, symbols, and/or vocabulary to convey the path to the identified solution.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

**CCG: Accuracy:**

Accurately solve problems that arise in mathematics and other contexts.

**Grade-Level Standards**

M.07.6.E.1(1) Accurately solve problems using mathematics.

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.